

Supplementary Table 1 Forty primer pairs tested on four individuals from each of three squirrel species.

Locus ^a Primer set name (when different from locus name)	EMBL accession number Clone name (for newly isolated microsatellites)	Primer sequence (5'-3') ^b	Expected product size based on consensus sequence (bp)	Observed allele sizes (bp)		
				<i>Hylopetes lepidus</i>	<i>Hylopetes phayrei</i>	<i>Menetes berdmorei</i>
Hlep05	LN650713	[6-FAM]CCTTCTTCCATTCTTTGGT	291	290, 292,	277, 283,	276, 279
	PHS33_46_A07	CTACTCTTCATTCTGTGTATCATCA		293, 294	285, 289	
Hlep16	LN650724	[6-FAM]AGTAGCCGTCAGACTAGAATCTCC	288	266, 271,	281, 284,	271 (n=3)
	PHS33_46_B12_GSQ_GT	ACTCACAAGGTGTCTGCAAATC		284, 288, 293	286	
Hlep16	LN650724	[6-FAM]TTTGCAGACACCTTGTGAGTG	186	181	181	187
	PHS33_46_B12_GSQ_GTT	CCCTCCCACTGTCATTATGC				
Hlep26	LN650734	[6-FAM]AAGGTGGTCATCAGTTTCATTG	341	284, 286,	284, 285,	307, 316,
	PHS33_46_D09	AGTGAATCAGAGTGAGCGATG		292, 294	288, 290, 291	336
Hlep34	LN650742	[HEX]ATACTTCCATTGTGAGTCAGTCTCT	211	207, 209 (no hets)	201, 207, 209	No amp
	PHS33_46_E07	CTTGCCAAACAGAGRTGGTG				
Hlep51	LN650759	[HEX]TGATGCATAATCACTGAGAATTGA	206	198-199, 203, 207	181-182- 183, 187	188
	PHS33_46_G06_GSQ	TCTGTGCTTGACTTCAGWTATTTAAGA				
Hlep59	LN650767	[6-FAM]AATAAATGCTGCTGAAACAACTC	297	272, 274, 298	277, 292, 296, 298, 300	313, 315, 321, 323, 329
	PHS33_46_H07	GCTGTGCATTAGCCTCAAAG				
Hlep72	LN650780	[6-FAM]GCCAAACCACTGCTATCC	243	233, 243, 257	235, 237, 243	234, 242, 247, 257, 261
	PHS33_53_C10	GKGRTAATCCTAGCCACTTG				
Hlep80	LN650788	[HEX]AATACTKAATGSAATGTGTGCAA	289	288, 289, 290	270, 277, 278, 288, 295	268, 273, 274, 276, 277, 281
	PHS33_53_F04	CTCCATCAGCTCGGTCA				

Hph11	LN650804 WP11_43_B05	[HEX]AGCAATCCATGTCTACTGCTTA CACTTGCTGTATTGCAGAGG	137	125, 127, 131	130, 131, 136, 138, 140	113
Hph14	LN650807 WP11_43_C01	[6-FAM]ACACARGCATGAATGTTCTGAAT TGCTTTGTATCTCCAGTTGCTT	227	234, 236, 244, 246	224, 228, 240, 244, 248	201, 203
Hph17	LN650810 WP11_43_C04	[HEX]GAGTCCAKKGCCAAAKGAGA AGCCTGGAACTAGGACAGTG	205	172, 174, 176	158, 161, 166, 185	157, 161, 164, 168
Hph19	LN650812 WP11_43_C06	[HEX]TGACACACAYCTTSRTGAGAGC GCACAGTAAGGGCAGAGGTG	165	150, 152 (n=3, no hets)	167	No amp
Hph36	LN650829 WP11_43_F06	[6- FAM]GATCAAYARAGTGATAGTTCAGCAY AGCAGGCTAACCAGTGCTTC	324	301, 303, 305	294, 305, 311, 319	No amp
Hph41	LN650834 WP11_43_G01	[6- FAM]CCTATYTTMAGTTTGWCTAAGTTGA CTCCCGGGTAACCTGTAAT	212	216	213, 215, 217, 219	208, 211, 214, 221
Hph46	LN650839 WP11_43_G11	[6-FAM]GGAATAAAGGAACTCAAATGCTTC CCTTGTAAGTATCCTGCAATTGTG	170	150, 151, 153	138, 140, 143, 145, 147, 152	148, 153, 155, 157, 164
Hph54	LN650847 WP11_43_H10	[6-FAM]AAAGCCAARAATTAAGGAAATTG TTTGTGTGGCGAGTGAATC	350	357, 361, 365, 367, 369	344, 346, 353, 354, 356, 358	334, 336
Hph55	LN650848 WP11_43_H11	[6-FAM]CACTCTGGACCTGCCACAT GATGCTGAGGTTGGAATTTCTT	174	159, 165, 167, 169	167, 170, 172	168, 169, 174, 176
Hph89	LN650882 WP 11_51_H12	[HEX]GTTACAGGTATGCTAATGCTG TATCAGATTCTGAAGCAGAGG	173	175, 177, 179, 181	166, 177, 179	180, 188. 195, 201
Mbe14	LN650896 WP10_40_B06	[6-FAM]AGGCCTTCTCTGCTTTGAG CCACCAGCCTAAGCATTG	389	366	362, 364	383, 384, 386, 392
Mbe31	LN650913 WP10_40_D08	[6-FAM]TCCAAGTCTCAGGACAGCTC TGAAGAATAAGCAAGGCTGTG	446	399	399	439, 441, 443, 445
Mbe33	LN650915 WP10_40_D10	[6-FAM]TTTCTGCCCTCATAAATCTTAY TTTCATAGACCTRCTCCAAATCA	143	No amp	No amp	137, 139, 154, 158, 164

Mbe35	LN650917 WP10_40_D12	[HEX]TGGCCYTCTGTGATTTGG GAGGCCCTTCTAGGGACTACAG	218	188	186, 188, 191, 193	186, 195, 196, 200, 214
Mbe51	LN650933 WP10_40_F12_GT	[HEX]TGGTTAGGKAATATTCTGTGCCACT TCCCTCTCAACATTTGGAMTTT	119	No amp	No amp	114
Mbe64	LN650946 WP10_40_H05	[HEX]AATCCTAGGAAGAGTTTGGAAACAG ACCCTGGGTGAGCATTTATC	353	No amp	No amp	347, 349, 351, 353
Mbe75	LN650957 WP10_49_C07	[HEX]ATTGGGARTRTAAAGATGAATRTG CTTCCCTCAGATGCTTGG	289	No amp	No amp	269
Mbe79	LN650961 WP10_49_D01	[6-FAM]TCAGGAGAGAATAATGTTTGGT CTCACACTTTCACAGACCAGT	283	246	245	266, 274, 275, 276, 278, 292
GLSA12 (GLSA12-Str1)	FJ755452	[6-FAM]ATGGAACCCCATGTCAGACT GCACTAAATACCAAACCTTGGTTGA	109	No amp	No amp	No amp
GLSA12 (GLSA12-Str2)	FJ755452	[HEX]ATGGAACCCCATATCAGACT GCACTAAATACCAAACCTTGGTTGA	109	No amp	No amp	No amp
GLSA22 (GLSA22-Str)	FJ755453	[HEX]CCTGARWATRATGCATGTGG AGAGTAGGCTGTTCCCTTGAGG	179	174, 181, 184 (no hets)	179, 183, 185, 189	162, 168 (n=2)
GLSA48 (GLSA48-Str)	FJ755454	[6-FAM]CTGCTGCAGYRACTTCCTGT GAGTGGGCTCTCAGGTTGA	224	209, 211, 213	201, 203	211, 213, 215
GS_1 (GS_1-Str)	AF220756	[HEX]GATAAYGTTTCTTCCCAAARC GTAGCTGCCCTCAYTKTATCC	128	104, 119	116, 118, 120, 122, 125, 127	No amp
Lis3 (Lis3-Str)	AB100145	[6-FAM]TTTCAGTTTGTGGTTTAGGG GCCTTATCTTCCTCTTCCAG	114	No amp	97, 105, 109, 111	112, 116
Lis13 (Lis13-Str)	AB100155	[6-FAM]GGGAGAAGAGCCTTTTGAGC GGTATAGSAGCTACACAAGACTGAGG	131	109	109	110
ScnFO35 (ScnFO35-Str)	FJ477952	[6-FAM]GATGGACATCTGAAATAGTGAGA ACACTGGGCTAAACAACAAA	180	168, 172, 174, 176	157, 159, 168, 172, 176	159, 160, 162, 164, 168
ScnFO52 (ScnFO52-Str)	FJ477961	[HEX]AGGAATTGGGACTATGGTTTC GAAATGAATAAATGAATCACAAATG	293	256, 260, 262, 264, 268	No amp	235

Scv1 (Scv1-Str)	AF309450	[6-FAM]TCCAAGGGTGACACAATCAG GATGGYCTCTGTTTCTCTGC	234	138, 142, 149, 151, 153	142	153, 155, 157, 164, 166, 168, 170
Scv8 (Scv8-Str1)	AF309454	[6-FAM]TGGATGCCTCAGATGTGTTG GGTTTrCTCTATTTGGAAGTGC	153	155, 158, 161, 163	154, 158, 160, 163	156, 160 (no hets)
Scv8 (Scv8-Str2)	AF309454	[6-FAM]TGCCTCAGATGTGTTGAGTC TGAGAGGTTTGCTCTATTTGG	154	156, 162, 164	155, 159, 161, 165	157, 161 (no hets)
SFS07 (SFS07-Str)	AY268027	[HEX]TCAGGGCTCTGACGAAGTC GTTTTATyCTGGCACCTGAAC	257	235	236	248

No amp, no amplification; no hets, no heterozygotes observed; n = 3, amplification was successful for only three of the four individuals genotyped

^a Locus name indicates the source species for the microsatellite: Hlep, *Hylopetes lepidus*; Hph, *H. phayrei*; Mbe, *Menetes berdmorei*; GLSA, GS, *Glaucomys sabrinus*; Lis, *Sciurus lis*; Scn, *S. niger*; Scv, *S. vulgaris*; SFS, *G. volans* and Str, *Spermophilus tridecemlineatus*

^b Primer sequence designed from the consensus sequence of the clone and the homologue from *Spermophilus tridecemlineatus*